



# **ATMOSPHERIC SCIENCE DATA CENTER UPDATE**

Lindsay Parker

SSAI

CERES Science Team Meeting

October 22, 2012

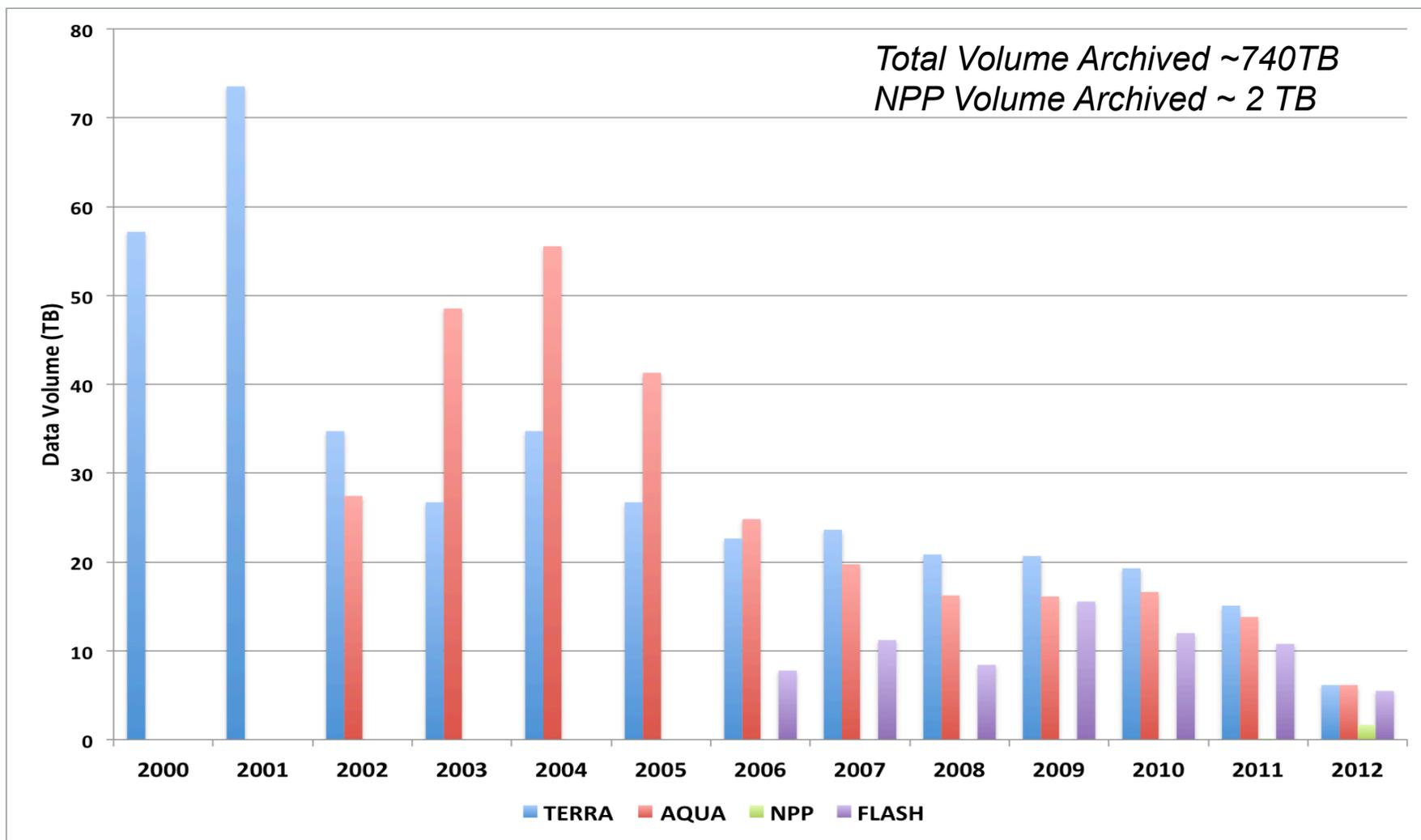


# CERES USER METRICS



# CERES and FLASHFlux Archive Volume

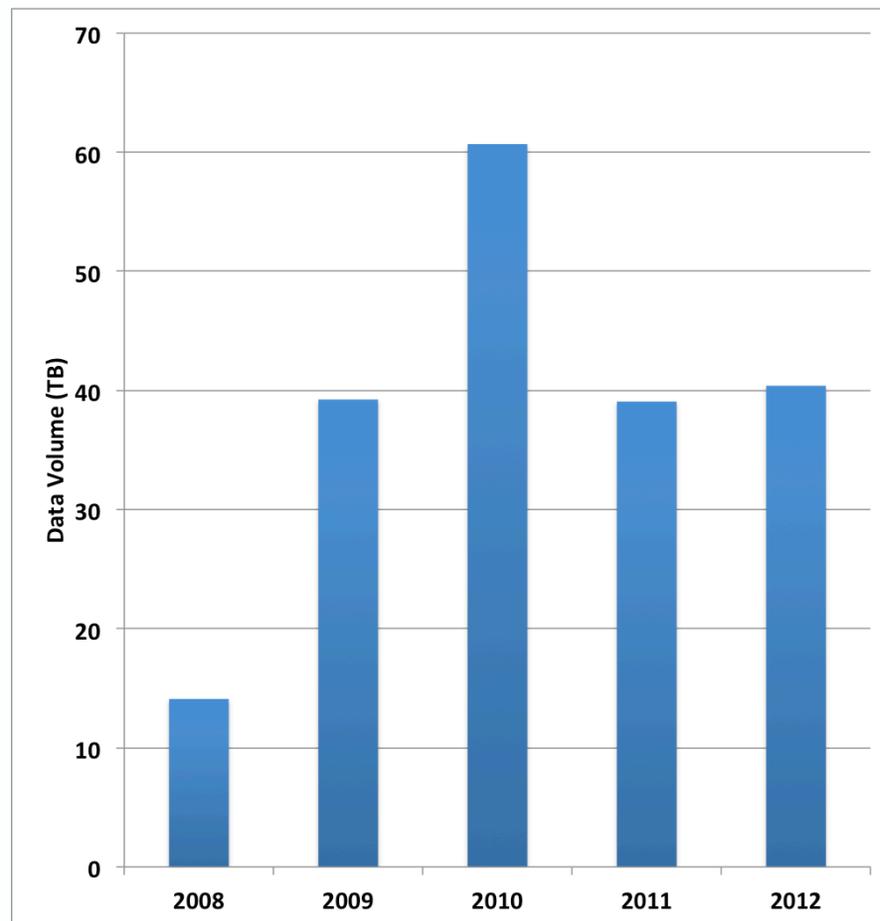
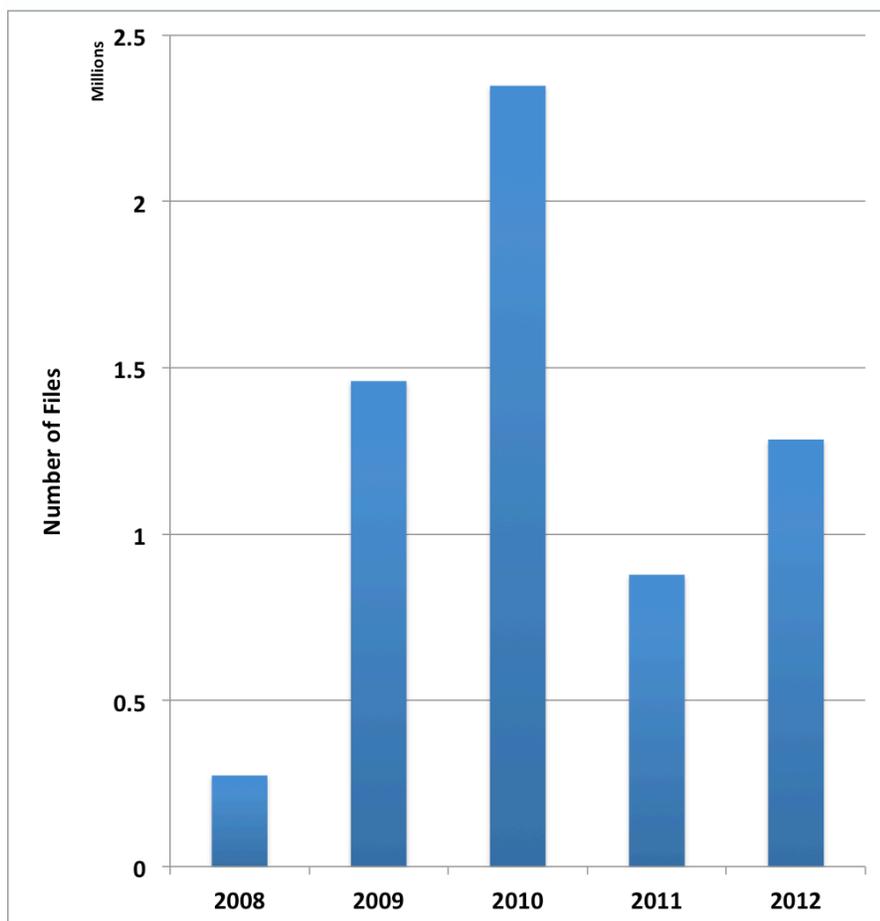
By Data Date through September 2012





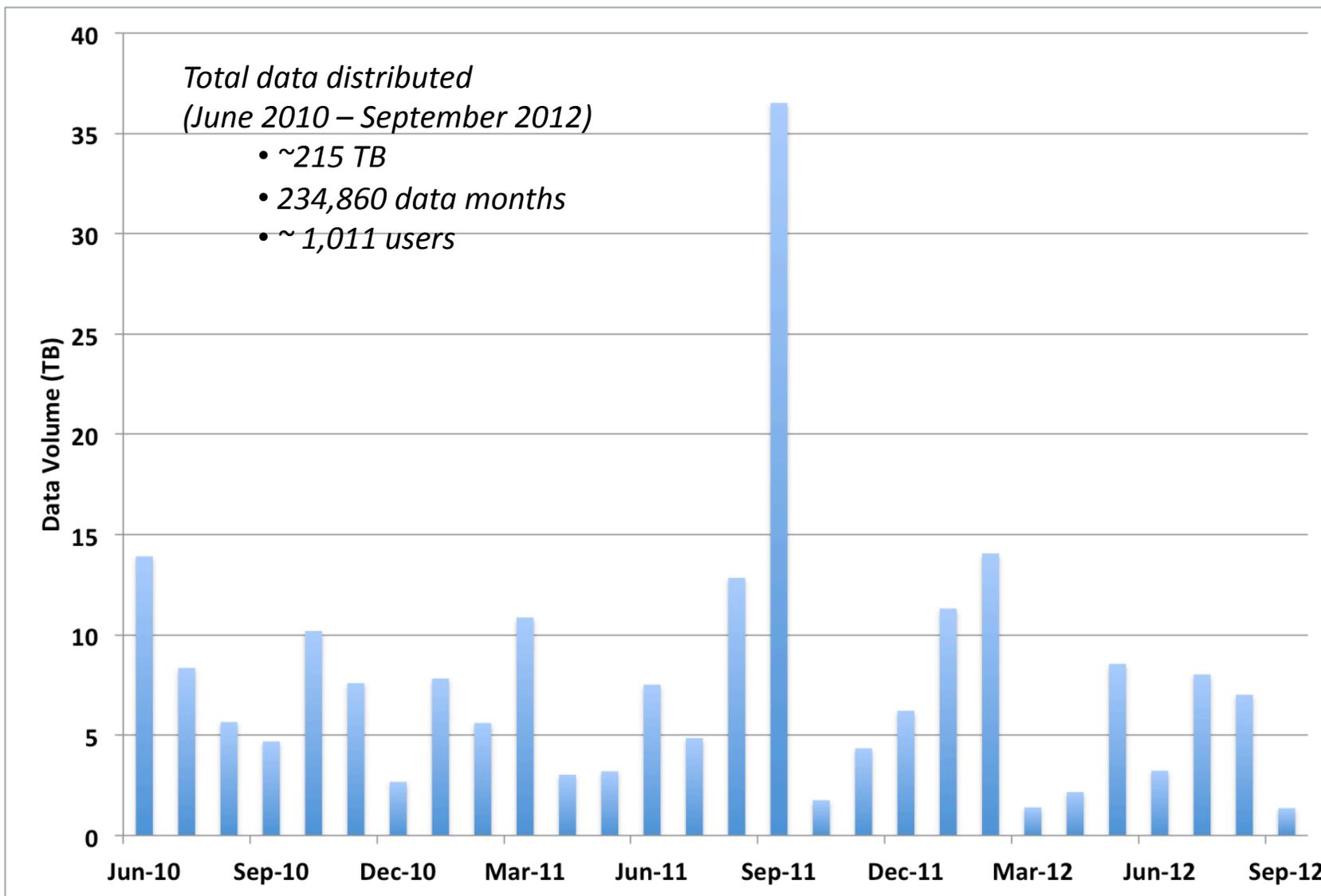
# CERES Ancillary Data Archived

(September 2008 – September 2012)



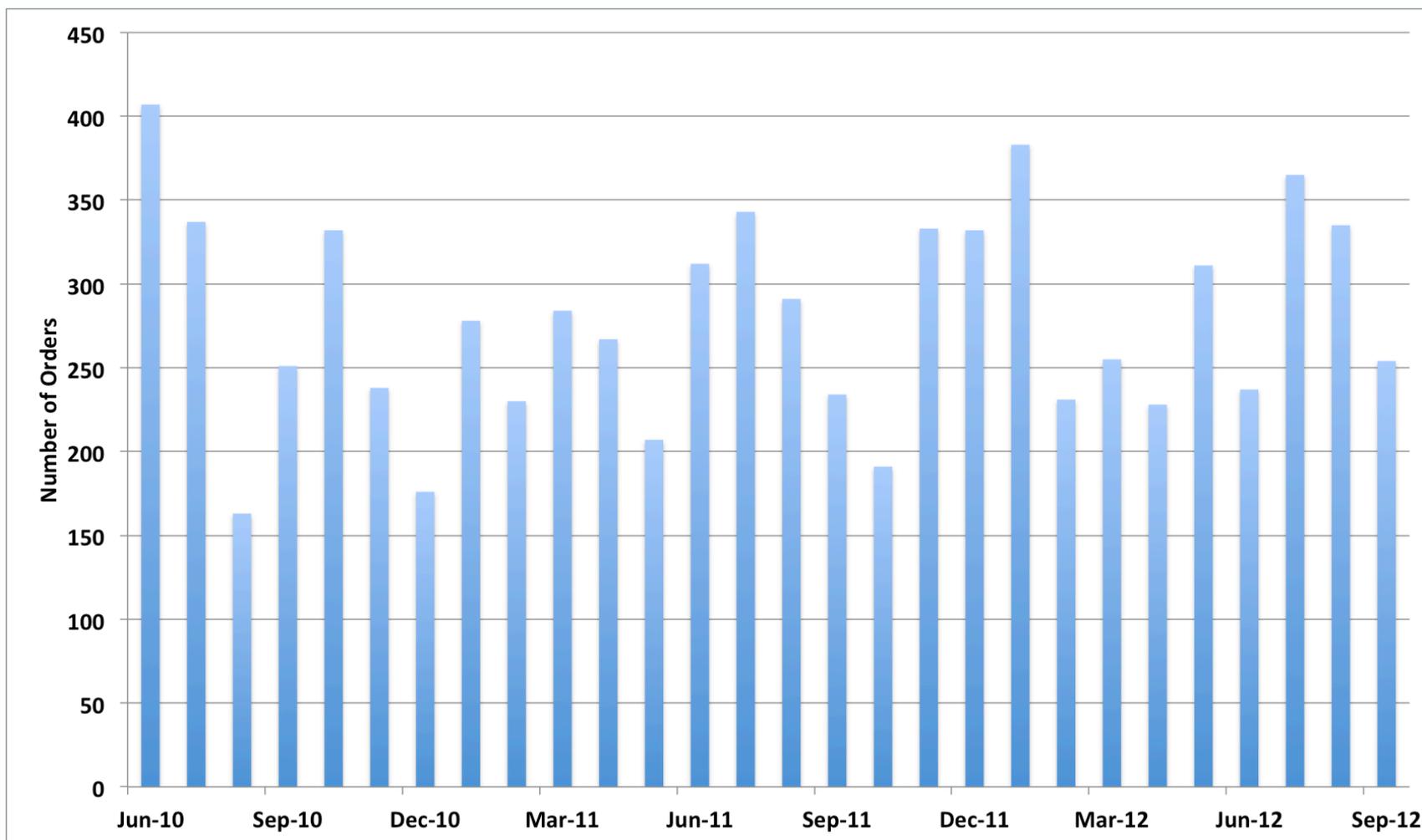


## CERES Data Distribution





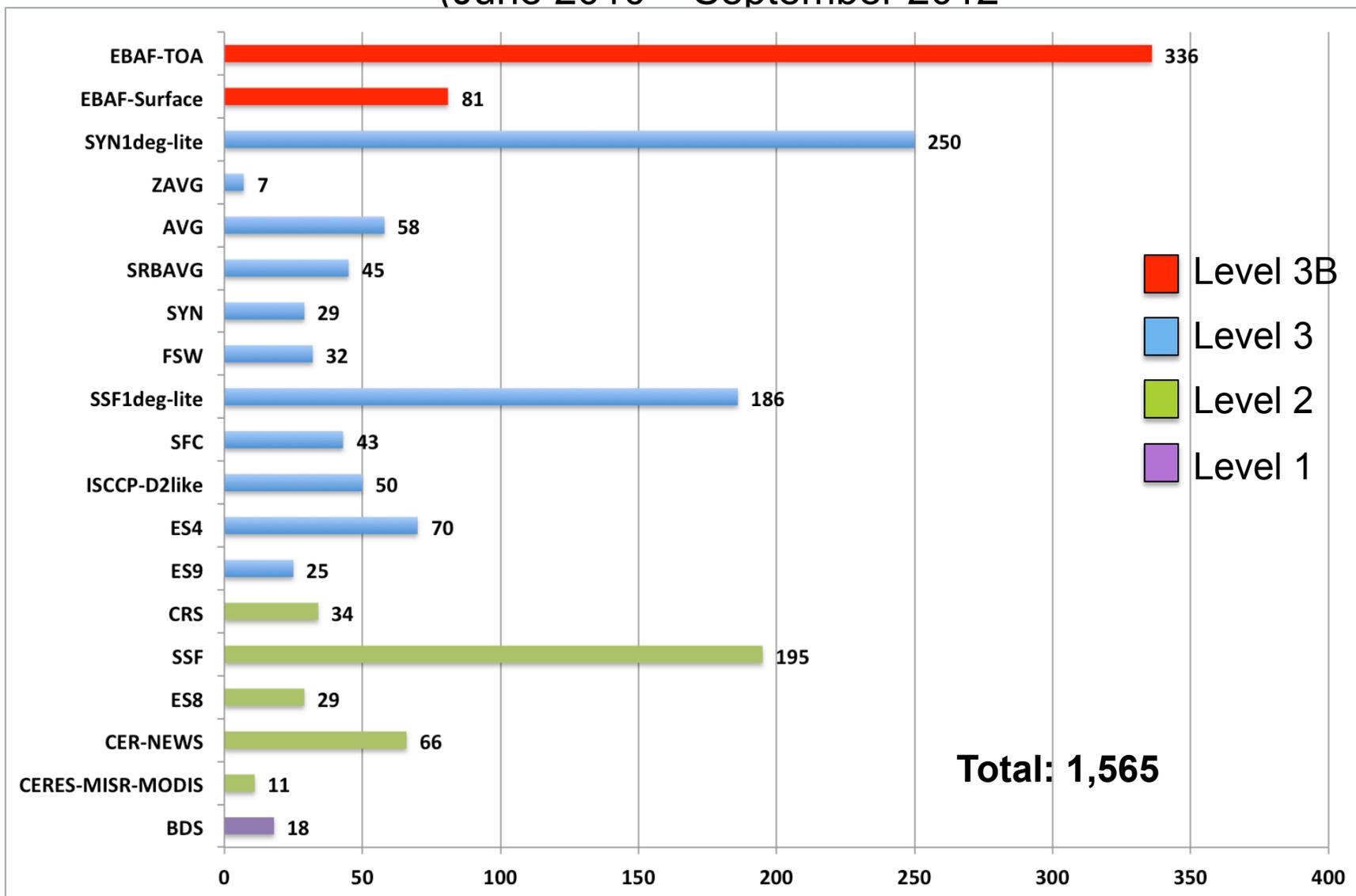
# CERES Data Orders (June 2010 – September 2012)





# Number of Users by Product

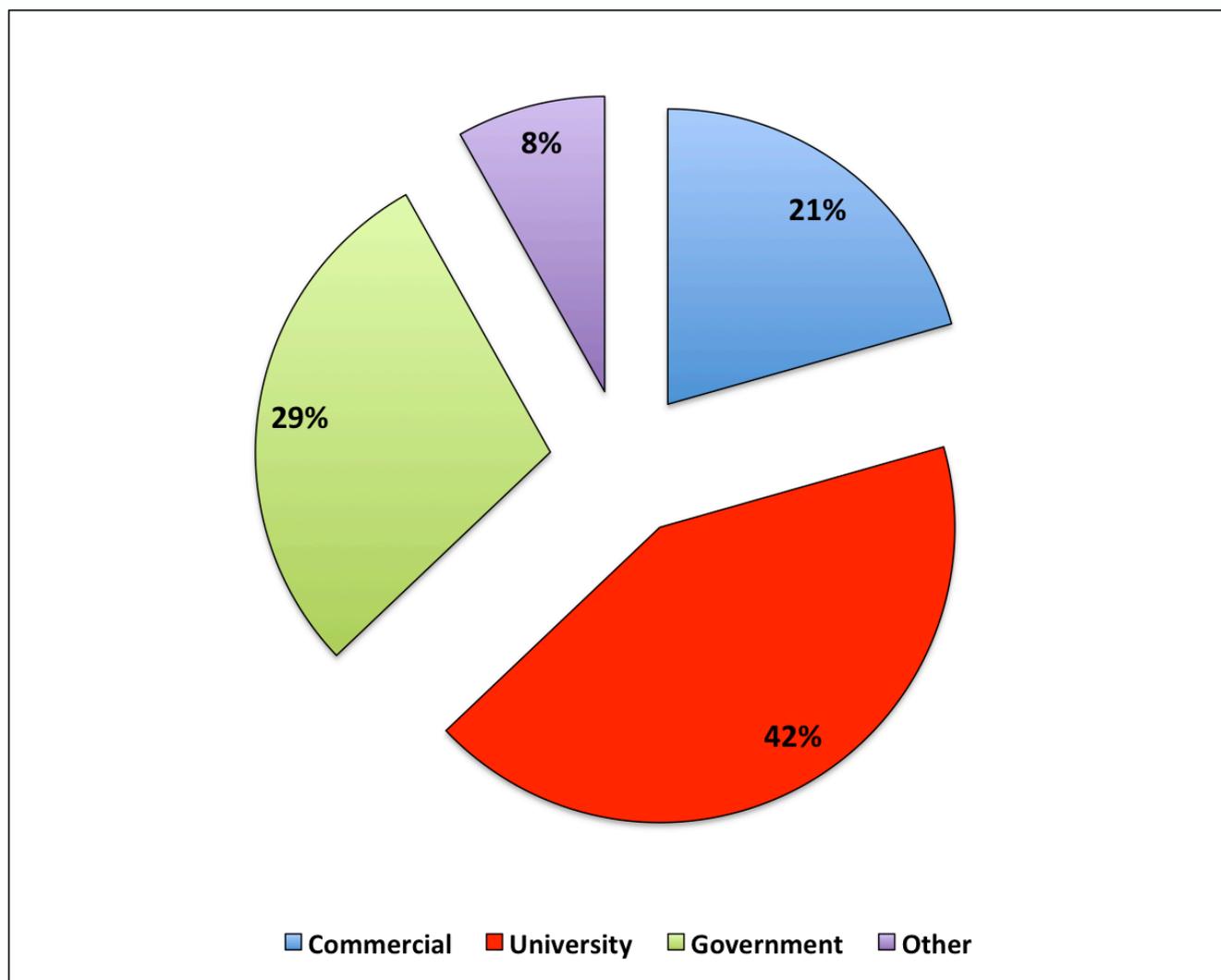
(June 2010 – September 2012)



**Total: 1,565**



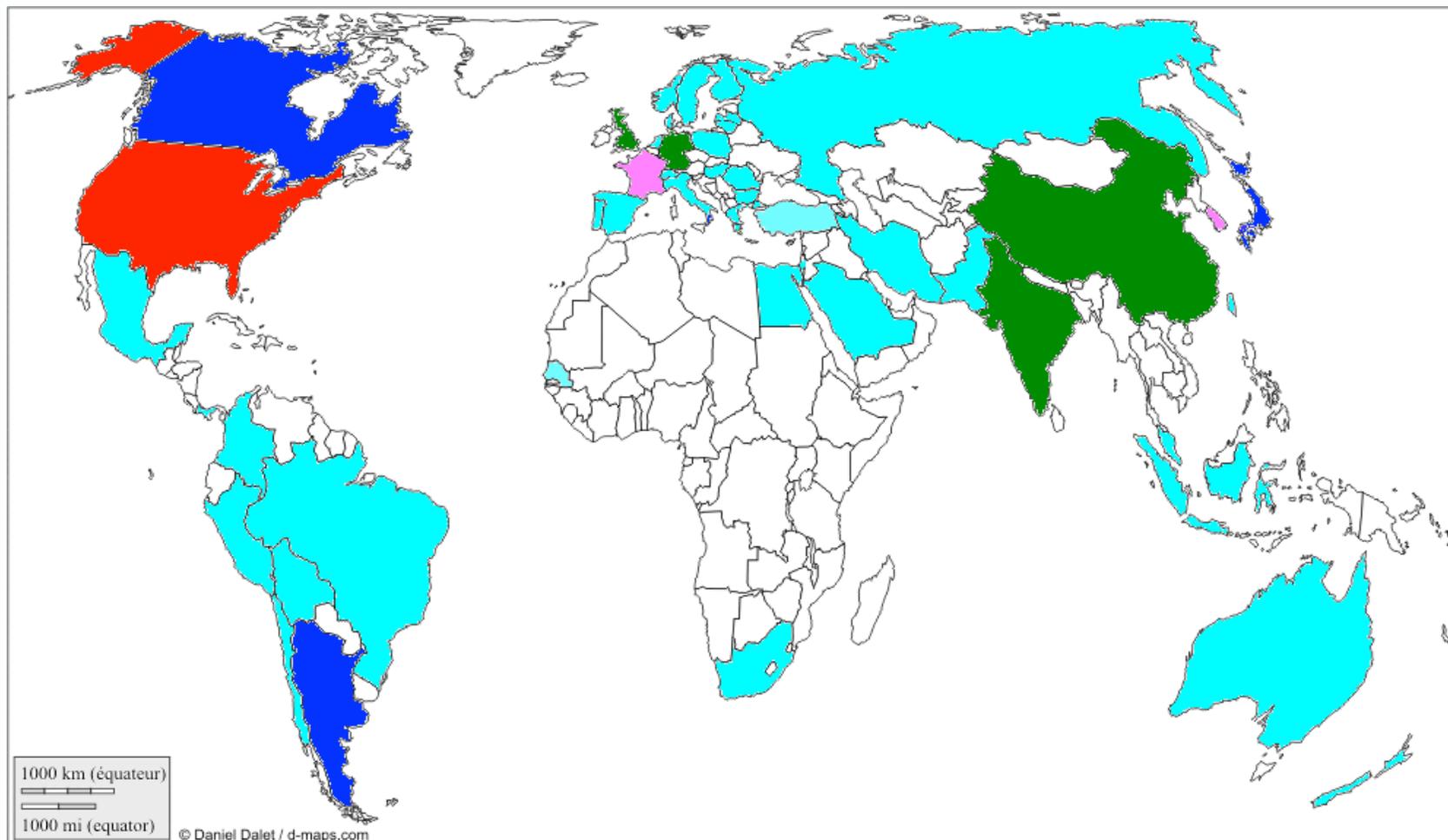
# CERES Customer Affiliation





# CERES Data Users

## Number of Customers (June 2010 – September 2012)



1-10



11-20



21-30



30-40



>400



**CATALYST**



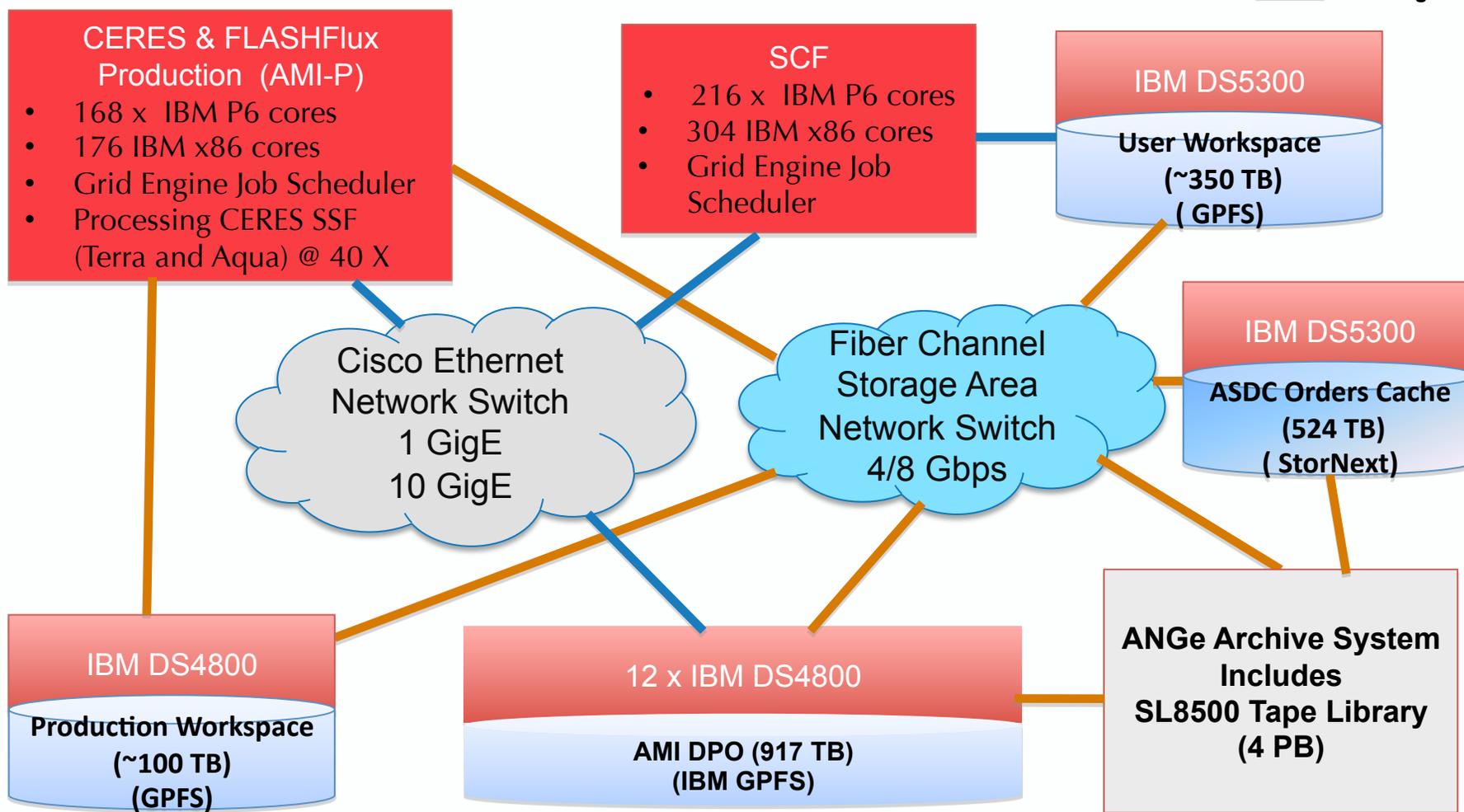
## ASDC Fully Engaged in CATALYST

- Supporting the application of software engineering practices to effort
  - Requirements development and management
  - Operational concept documentation
  - Schedule with Gantt chart with critical path
  - Test plans and test cases
- Ensuring the AMI system is stable and consistent
  - Including AMI-P
- Focus on collaboration
  - Recognize that everyone is working toward the same goal
  - Share information as much as possible
  - Work collaboratively to address issues as they arise



# CERES & FLASHFlux Processing

— FC  
— 10 GigE

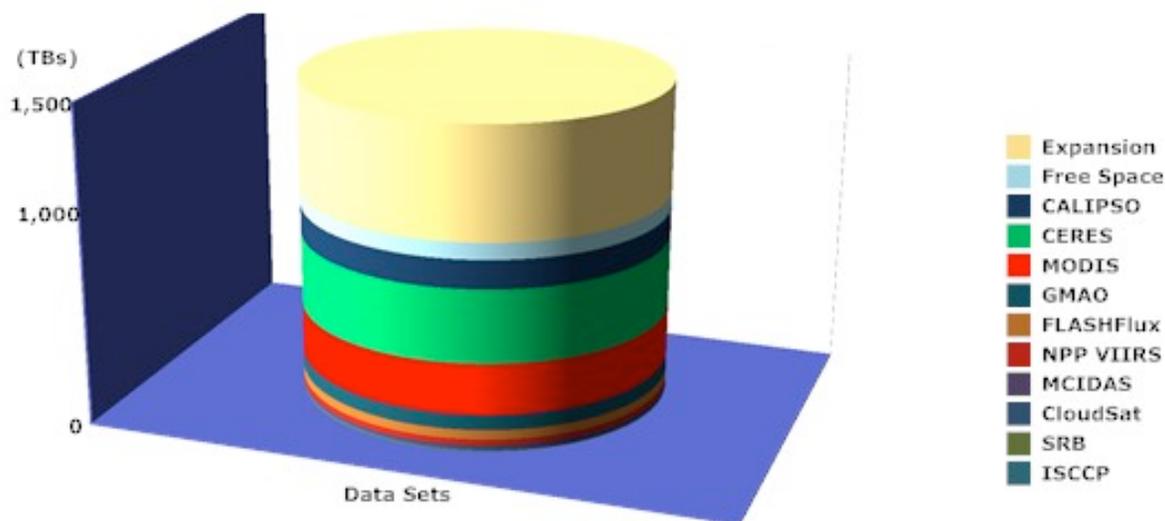




# Disk-based Storage Improvements

**AMI Data Products Online (DPO) disk cache provides unprecedented access to many science data sets**

**Important to have the Right Data at the Right Place at the Right Time**



**AMI DPO: Data Stored = 840 TB Store (+34 million files)**

- Directly Accessible by ASDC Data Production & SCF Interactive & Compute servers
- Available to Users desktop systems over LaRC campus network and VPN
- Very long reprocessing campaigns possible without staging data from tape archive

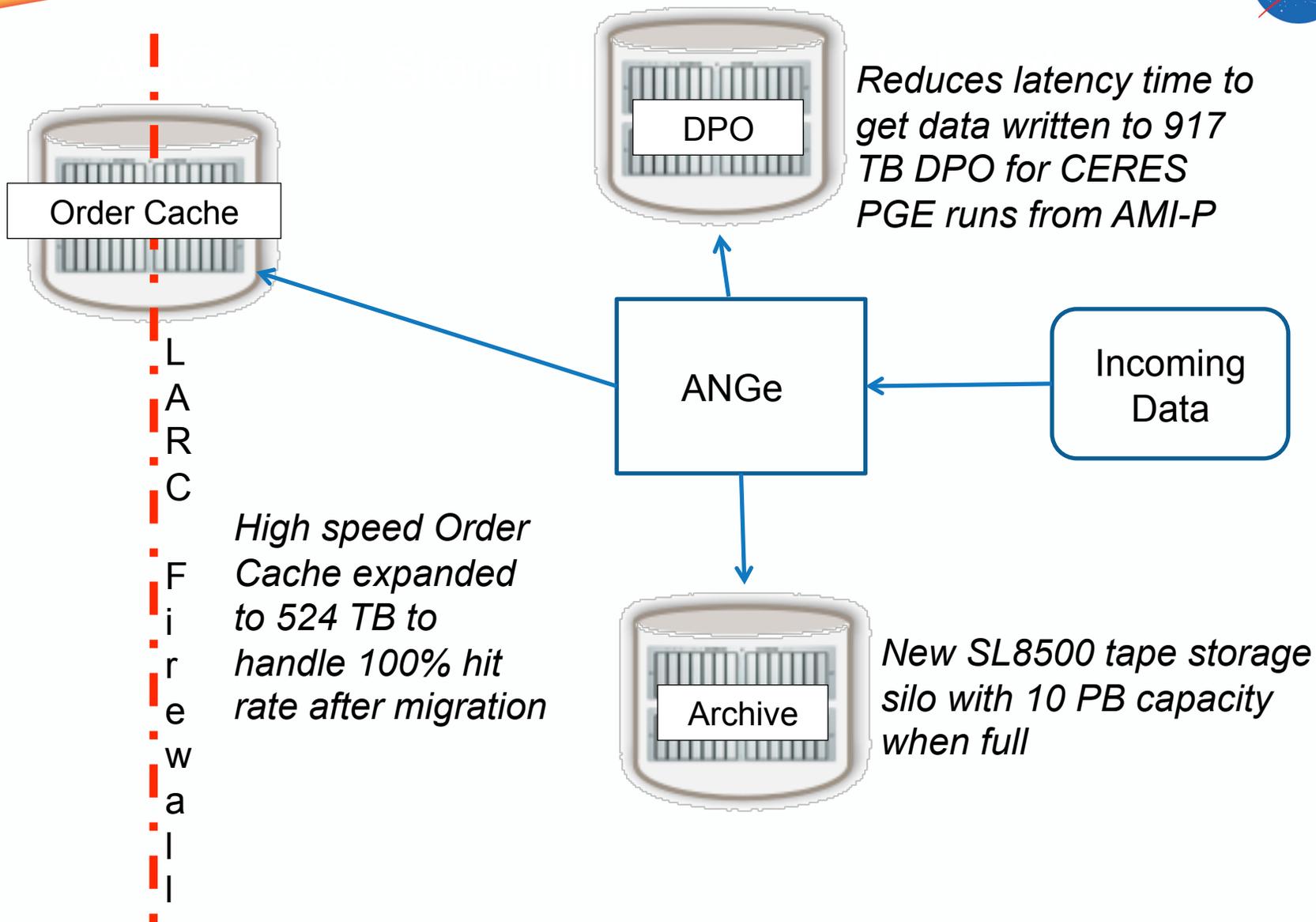


# Retirement of SGI Origin 3800 “warlock” 128 CPUs: 88 GB RAM





# DATA ACCESS ENHANCEMENTS





# Subsetting

## Approach

- Capability to subset data requested by the ASDC User Working Group and ASDC users
- The ASDC responded with an architecture that
  - Provides a common back-end framework supporting for services for multiple products
  - Provides a flexible environment that handles product specific differences on a case by case basis
    - Will not force a “one size fits all solution” or complex design
  - Allows customers to provide their own user interface (UI) if they prefer to define the user’s experience based on their customer relationship



Progress:

| Project | Products             | Collaboration                              | Status   |
|---------|----------------------|--|--|
| CALIPSO | L1 and L2 Lidar data | UI produced by project; maintained by ASDC | Available  |
| CERES   | L2 SSF data          | UI produced and maintained by project      | Available  |
| TES     | L2 and L3 data       | UI produced and maintained by ASDC         | Available  |
| MOPITT  | L2 and L3 data       | UI produced and maintained by ASDC         | Under development                                  |
| MISR    | TBD                  | TBD  | Future initiative to refresh the current subsetter |



# CERES LANDING PAGES

[eosweb.larc.nasa.gov](http://eosweb.larc.nasa.gov)



## CERES Data and Information



The Clouds and the Earth's Radiant Energy System (CERES) is a key component of the Earth Observing System (EOS) program. The CERES instruments provide radiometric measurements of the Earth's atmosphere from three broadband channels. The CERES missions are a follow-on to the successful [Earth Radiation Budget Experiment \(ERBE\)](#) mission. The first CERES instrument (PFM) was launched on November 27, 1997 as part of the Tropical Rainfall Measuring Mission (TRMM). Two CERES instruments (FM1 and FM2) were launched into polar orbit on board the EOS flagship Terra on December 18, 1999. Two additional CERES instruments (FM3 and FM4) were launched on board EOS Aqua on May 4, 2002. The newest CERES instrument (FM5) was launched on board the Suomi National Polar-orbiting Partnership (NPP) satellite on October 28, 2011.

[Documentation](#), [Tools](#), [Imagery](#), [Quick Data Links](#)

### Data Products

#### Level 3B

Spatially ([1°x1° lat/lon regional](#), 1° zonal, global) and temporally (monthly, climatological, etc.) averaged fluxes where the TOA net flux has been energy balanced.

| Data Product | Description   | Details and Ordering |
|--------------|---|----------------------|
| <b>EBAF</b>  | TOA <a href="#">clear-sky (spatially complete)</a> fluxes, all-sky fluxes, and cloud radiative effect (CRE) along with associated <a href="#">computed</a> surface fluxes where the TOA net flux is <a href="#">constrained to the ocean heat storage</a> . | <a href="#">EBAF</a> |

#### Level 3

Spatially ([1°x1° lat/lon regional](#), 1° zonal, global) and temporally (daily, monthly, etc.) averaged fluxes and clouds.

| Processing Stream   | Description   | Details and Ordering             |
|---------------------|---|----------------------------------|
| <b>SYN1deg</b>      | CERES <a href="#">geostationary (GEO) enhanced</a> temporally interpolated TOA fluxes, MODIS and 3-hourly GEO cloud properties, MODIS aerosols, and <a href="#">computed</a> TOA, surface and in-atmospheric (profile) fluxes consistent with the observed TOA fluxes, clouds and aerosols. | <a href="#">SYN1deg</a>          |
| <b>SSF1deg</b>      | CERES <a href="#">constant meteorology</a> temporally interpolated TOA fluxes, MODIS clouds and aerosols.   | <a href="#">SSF1deg</a>          |
| <b>ISCCP-D2like</b> | CERES-MODIS and GEO cloud properties stratified by <a href="#">ISCCP cloud types</a> and in the similar D2 format.  | <a href="#">ISCCP-D2like</a>     |
| <b>FLASHFlux</b>    | Near real-time daily averaged CERES observed TOA fluxes, <a href="#">parameterized</a> surface fluxes, and MODIS clouds to be used only until CERES SSF1deg products become available. Not of climate quality or to be appended with any other CERES dataset.                               | <a href="#">FLASHFlux TISA</a>   |
| <b>ERBELike</b>     | TOA fluxes using algorithms identical to those used by ERBE.  | <a href="#">ERBELike Level 3</a> |



## Level 2

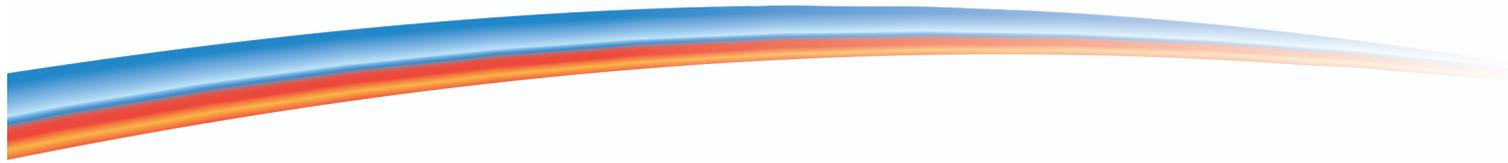
Instantaneous footprint-level (20km nominal) fluxes and cloud properties.

| Processing Stream | Description  | Details and Ordering            |
|-------------------|--|---------------------------------|
| <b>CRS</b>        | <a href="#">Computed</a> TOA, surface and in-atmospheric (profile) fluxes using the MODIS clouds and aerosols on the SSF.  | <a href="#">CRS</a>             |
| <b>SSF</b>        | CERES observed TOA fluxes, MODIS clouds and aerosols, and <a href="#">parameterized</a> surface fluxes.  | <a href="#">SSF</a>             |
| <b>CERES-MISR</b> | MISR radiances associated with along-track CERES SSF data.   | <a href="#">CERES-MISR</a>      |
| <b>CCCM</b>       | CALIPSO/CloudSat cloud and aerosols collocated with nadir-view CERES fluxes and clouds. Not for climate studies such as deriving a trend.  | <a href="#">CCCM</a>            |
| <b>FLASHFlux</b>  | Near real-time availability of CERES observed TOA fluxes, <a href="#">parameterized</a> surface fluxes, and MODIS clouds and aerosols in the Level2 SSF format to be used only until CERES SSF products become available. Not of climate quality or to be appended with any other CERES dataset. | <a href="#">FLASHFlux SSF</a>   |
| <b>ERBElke</b>    | TOA fluxes using algorithms identical to those used by ERBE.   | <a href="#">ERBElke Level 2</a> |

## Level 1B

CERES instantaneous footprint-level (20km nominal) ephemeris and instrument level data.

| Data Product | Description   | Details and Ordering |
|--------------|---|----------------------|
| <b>BDS</b>   | CERES geolocated and calibrated TOA filtered radiances. | <a href="#">BDS</a>  |



# CERES EBAF Data Products



## General Information

- **Description:** Energy Balanced and Filled (EBAF)
- **Level 3B:** Spatially (1°x1° lat/lon regional, 1° zonal, global) and temporally (monthly, climatological, etc.) averaged fluxes where the TOA net flux has been energy balanced.

## EBAF Level 3B Data Products

| Temporal Resolution | Data Product Information     | Description   | Spatial Resolution          | Release Date                | Temporal Coverage | Order Data  |
|---------------------|------------------------------|---|-----------------------------|-----------------------------|-------------------|---|
| Monthly             | <a href="#">EBAF-TOA</a>     | Monthly and climatological averages of TOA <a href="#">clear-sky (spatially complete)</a> fluxes, all-sky fluxes, and cloud radiative effect (CRE), where the TOA net flux is <a href="#">constrained to the ocean heat storage</a> . | Regional<br>Zonal<br>Global | <b>Dec 2011</b><br>(Ed2.6r) | 03/2000 - 12/2011 | <input type="button" value="netCDF"/><br><input type="button" value="netCDF subset"/> |
|                     | <a href="#">EBAF-Surface</a> | Monthly and climatological averages of <a href="#">computed</a> surface clear-sky and all-sky fluxes (up/down) consistent with the CERES EBAF-TOA fluxes.   | Regional<br>Zonal<br>Global | <b>May 2012</b><br>(Ed2.6r) | 03/2000 - 02/2010 | <input type="button" value="netCDF"/><br><input type="button" value="netCDF subset"/> |

## EBAF Level 3B Parameters

| TOA Fluxes<br>(Net balanced)  | Cloud Radiative Effect  | Surface Fluxes  | In-Atmospheric Fluxes<br>(N/A) | Cloud Properties<br>(N/A) | Aerosols<br>(N/A) | Auxillary Data<br>(N/A) |
|---|---|---|--------------------------------|---------------------------|-------------------|-------------------------|
| <ul style="list-style-type: none"> <li>• SW (0-5μm)</li> <li>• LW (5-100μm)</li> <li>• Net (0-100μm)</li> <li>• Solar Incoming</li> </ul> | <ul style="list-style-type: none"> <li>• SW (0-5μm)</li> <li>• LW (5-100μm)</li> <li>• Net (0-100μm)</li> </ul> | <ul style="list-style-type: none"> <li>• SW - Up</li> <li>• LW - Up</li> <li>• SW - Down</li> <li>• LW - Down</li> <li>• Net SW</li> <li>• Net LW</li> <li>• Net Total</li> </ul> |                                |                           |                   |                         |



## CERES EBAF-TOA Data Sets



### General Information

- **Description:** Energy Balanced and Filled (EBAF) TOA: Monthly and climatological averages of TOA clear-sky (spatially complete) fluxes, all-sky fluxes, and cloud radiative effect (CRE), where the TOA net flux is constrained to the ocean heat storage.
- [Detailed CERES EBAF TOA Product Information](#)
- **Level 3B:** Spatially (1°x1° lat/lon regional, 1° zonal, global) and temporally (monthly, climatological, etc.) averaged fluxes where the TOA net flux has been energy balanced.
- **File Format:** The CERES EBAF-TOA data products are written in netCDF format. ([Information on netCDF](#))
- **Processing:** [Processing Level Details](#)
- [EBAF Documents and Sample Software](#)
- [EBAF Parameters](#)

### Available Data Products

| Temporal Resolution | Data Set Name              | Order Data                           | Release Date | Temporal Coverage (Monthly) | Spatial Resolution          | File Format |
|---------------------|----------------------------|--------------------------------------|--------------|-----------------------------|-----------------------------|-------------|
| Monthly             | CERES_EBAF-TOA_Edition2.6R | <a href="#">Order CERES_EBAF-TOA</a> | Dec 2011     | 03/2000 - 12/2011           | Regional<br>Zonal<br>Global | netCDF      |

### Documentation and Sample Software

| Data Set       | Quality Summary   | Description/Abstract  | Sample Software  |
|----------------|---|---|--|
| Terra,<br>Aqua | <ul style="list-style-type: none"> <li>• <a href="#">EBAF-TOA Ed2.6r Quality Summary</a> (PDF)</li> </ul> | <ul style="list-style-type: none"> <li>• <a href="#">EBAF-TOA Description/Abstract</a></li> </ul> | <ul style="list-style-type: none"> <li>• <a href="#">Readme EBAF-TOA</a></li> <li>• <a href="#">Read Package EBAF-TOA</a></li> </ul> |

### EBAF-TOA Level 3B Parameters

| TOA Fluxes (Net balanced)   | Cloud Radiative Effect  | Surface Fluxes | In-Atmospheric Fluxes (N/A) | Cloud Properties (N/A) | Aerosols (N/A) | Auxillary Data (N/A) |
|---|---|----------------|-----------------------------|------------------------|----------------|----------------------|
| <ul style="list-style-type: none"> <li>• SW (0-5µm)</li> <li>• LW (5-100µm)</li> <li>• Net (0-100µm)</li> <li>• Solar Incoming</li> </ul> | <ul style="list-style-type: none"> <li>• SW (0-5µm)</li> <li>• LW (5-100µm)</li> <li>• Net (0-100µm)</li> </ul> |                |                             |                        |                |                      |



# CERES SYN1deg Level 3 Data Products

## General Information

- **Description:** Computed TOA, surface and in-atmospheric (profile) fluxes consistent and along with the CERES GEO-enhanced temporally interpolated observed TOA fluxes and clouds, MODIS & 3-hourly GEO cloud properties and MODIS aerosols.
- **Level 3:** Spatially ([1°x1° lat/lon regional](#), 1° zonal, global) and temporally (daily, monthly, etc.) averaged fluxes and clouds.

## SYN1deg Level 3 Data Products

| Temporal Resolution | Data Product Information       | Comments | Spatial Resolution          | Release Date            | Temporal Coverage | Order Data                 |
|---------------------|--------------------------------|----------|-----------------------------|-------------------------|-------------------|----------------------------|
| Monthly             | <a href="#">SYN1deg-Month</a>  |          | Regional<br>Zonal<br>Global | Aug 2012<br>(Edition3A) | 3/2000 - 11/2011  | <a href="#">HDF Month</a>  |
| Monthly 3-Hourly    | <a href="#">SYN1deg-M3Hour</a> |          | Regional<br>Zonal<br>Global | Aug 2012<br>(Edition3A) | 3/2000 - 11/2011  | <a href="#">HDF M3Hour</a> |
| 3-Hourly            | <a href="#">SYN1deg-3Hour</a>  |          | Regional                    | Aug 2012<br>(Edition3A) | 3/2000 - 11/2011  | <a href="#">HDF 3Hour</a>  |

## SYN1deg Level 3 Data Products - Previous Versions

Please refer to [SYN1deg Level 3 Data Products - Previous Versions](#) for available AVG/ZAVG, SRBAVG, SYN, FSW, and TRMM data.

## SYN1deg Level3 Parameters

| TOA Fluxes<br>(observed and computed)  | Surface Fluxes<br>(computed)   | In-Atmospheric Fluxes<br>(computed)  | Cloud Parameters<br>(MODIS & GEO)   | Aerosols<br>(MODIS MOD04 & MATCH)   | Auxiliary Data<br>(GMAO GEOS)   |
|--|--|--|---|---|---|
| <ul style="list-style-type: none"> <li>• Shortwave Flux (0-5µm)</li> <li>• Longwave Flux (5-100µm)</li> <li>• Window-region Flux (8-12µm)</li> <li>• Downwelling UVA and UVB Fluxes</li> <li>• Downwelling PAR Flux</li> </ul> | <ul style="list-style-type: none"> <li>• Shortwave Flux - Up</li> <li>• Longwave Flux - Up</li> <li>• Window-region Flux - Up</li> <li>• Shortwave Flux - Down</li> <li>• Longwave Flux - Down</li> <li>• Window-region Flux - Down</li> <li>• Shortwave Direct/Diffuse Fluxes</li> <li>• UVA and UVB Fluxes</li> <li>• PAR Direct/Diffuse Fluxes</li> </ul> | <ul style="list-style-type: none"> <li>• Shortwave Flux - Up</li> <li>• Longwave Flux - Up</li> <li>• Window-region Flux - Up</li> <li>• Shortwave Flux - Down</li> <li>• Longwave Flux - Down</li> <li>• Window-region Flux - Down</li> </ul> | <ul style="list-style-type: none"> <li>• Cloud Area Fraction</li> <li>• Cloud Effective Pressure</li> <li>• Cloud Effective Temperature</li> <li>• Cloud Particle Phase</li> <li>• Liquid Water Path</li> <li>• Ice Water Path</li> <li>• Liquid Particle Radius</li> <li>• Ice Particle Diameter</li> <li>• Cloud Visible Optical Depth</li> </ul> | <ul style="list-style-type: none"> <li>• MATCH Total Aerosol Visible Optical Depth at 0.55µm</li> <li>• MODIS Aerosol Optical Depths over Land and Ocean</li> </ul> | <ul style="list-style-type: none"> <li>• Surface Type Percent Coverage</li> <li>• Skin Temperature</li> <li>• Precipitable Water</li> <li>• Column Ozone</li> </ul> |



## CERES SYN1deg Data Sets



### General Information

- **Description:** CERES geostationary (GEO) enhanced temporally interpolated TOA fluxes, MODIS and 3-hourly GEO cloud properties, MODIS aerosols, and computed TOA, surface and in-atmospheric (profile) fluxes consistent with the observed TOA fluxes, clouds and aerosols.
- [Detailed CERES SYN1deg Product Information](#)
- **Level 3:** Spatially ([1°x1° lat/lon regional](#), 1° zonal, global) and temporally (daily, monthly, etc.) averaged fluxes and clouds.
- **File Format:** The CERES SYN1deg data products are written in HDF format. ([Information on HDF](#))
- [SYN1deg Documents and Sample Software](#)
- [SYN1deg Parameters](#)

### Available Data Products

| Temporal Resolution | Data Set Name                                 | Order Data  | Release Date | Temporal Coverage   | Spatial Resolution            | File Format |
|---------------------|---|---|--------------|---------------------|-------------------------------|-------------|
| Monthly             | CER_SYN1deg-Month_Terra-Aqua-MODIS_Edition3A  | <a href="#">Order Month_Terra-Aqua-MODIS_Edition3A</a>  | Aug 2012     | Jul 2002 - Nov 2011 | Regional,<br>Zonal,<br>Global | HDF         |
|                     | CER_SYN1deg-Month_Terra-MODIS_Edition3A       | <a href="#">Order Month_Terra-MODIS_Edition3A</a>       |              | Mar 2000 - Jun 2002 |                               |             |
| Monthly<br>3 Hour   | CER_SYN1deg-M3Hour_Terra-Aqua-MODIS_Edition3A | <a href="#">Order M3Hour_Terra-Aqua-MODIS_Edition3A</a> |              | Jul 2002 - Nov 2011 |                               |             |
|                     | CER_SYN1deg-M3Hour_Terra-MODIS_Edition3A      | <a href="#">Order M3Hour_Terra-MODIS_Edition3A</a>      |              | Mar 2000 - Jun 2002 |                               |             |
| 3 Hour              | CER_SYN1deg-3Hour_Terra-Aqua-MODIS_Edition3A  | <a href="#">Order 3Hour_Terra-Aqua-MODIS_Edition3A</a>  |              | Jul 2002 - Nov 2011 | Regional                      |             |
|                     | CER_SYN1deg-3Hour_Terra-MODIS_Edition3A       | <a href="#">Order 3Hour_Terra-MODIS_Edition3A</a>       |              | Mar 2000 - Jun 2002 |                               |             |

### Documentation and Sample Software

| Data Set             | Quality Summary                                      | Description/Abstract                           | Data Products Catalog (PDF)   | Sample Software   |
|----------------------|--|--|---|---|
| Terra+Aqua,<br>Terra | • <a href="#">SYN1deg Ed3A Quality Summary</a> (PDF) | • <a href="#">SYN1deg Description/Abstract</a> | <ul style="list-style-type: none"> <li>• <a href="#">DPC_SYN1deg-3Hour_R5V1</a></li> <li>• <a href="#">DPC_SYN1deg-M3Hour_R5V1</a></li> <li>• <a href="#">DPC_SYN1deg-Month_R5V1</a></li> </ul> | <ul style="list-style-type: none"> <li>• <a href="#">Readme R5-922</a></li> <li>• <a href="#">Read Software R5-922</a></li> </ul> |

### SYN1deg Level3 Parameters

| TOA Fluxes<br>(observed and computed)  | Surface Fluxes<br>(computed)  | In-Atmospheric Fluxes<br>(computed)  | Cloud Parameters<br>(MODIS & GEO)   | Aerosols<br>(MODIS MOD04 & MATCH)   | Auxiliary Data<br>(GMAO GEOS)   |
|--|---|--|---|---|---|
| <ul style="list-style-type: none"> <li>• Shortwave Flux (0-5µm)</li> <li>• Longwave Flux (5-100µm)</li> <li>• Window-region Flux (8-12µm)</li> <li>• Downwelling UVA and UVB Fluxes</li> <li>• Downwelling PAR Flux</li> </ul> | <ul style="list-style-type: none"> <li>• Shortwave Flux - Up</li> <li>• Longwave Flux - Up</li> <li>• Window-region Flux - Up</li> <li>• Shortwave Flux - Down</li> <li>• Longwave Flux - Down</li> <li>• Window-region Flux - Down</li> <li>• Shortwave Direct/Diffuse Fluxes</li> </ul> | <ul style="list-style-type: none"> <li>• Shortwave Flux - Up</li> <li>• Longwave Flux - Up</li> <li>• Window-region Flux - Up</li> <li>• Shortwave Flux - Down</li> <li>• Longwave Flux - Down</li> <li>• Window-region Flux - Down</li> </ul> | <ul style="list-style-type: none"> <li>• Cloud Area Fraction</li> <li>• Cloud Effective Pressure</li> <li>• Cloud Effective Temperature</li> <li>• Cloud Particle Phase</li> <li>• Liquid Water Path</li> <li>• Ice Water Path</li> <li>• Liquid Particle Radius</li> <li>• Ice Particle Diameter</li> <li>• Cloud Visible Optical</li> </ul> | <ul style="list-style-type: none"> <li>• MATCH Total Aerosol Visible Optical Depth at 0.55µm</li> <li>• MODIS Aerosol Optical Depths over Land and Ocean</li> </ul> | <ul style="list-style-type: none"> <li>• Surface Type Percent Coverage</li> <li>• Skin Temperature</li> <li>• Precipitable Water</li> <li>• Column Ozone</li> </ul> |



## CERES SYN1deg Level 3 Data Products Previous Versions

### General Information

- **Description:** Computed TOA, surface and in-atmospheric (profile) fluxes consistent and along with the CERES GEO-enhanced temporally interpolated observed TOA fluxes and clouds, MODIS & 3-hourly GEO cloud properties and MODIS aerosols.
- **Level 3:** Spatially ([1°x1° lat/lon regional](#), 1° zonal, global) and temporally (daily, monthly, etc.) averaged fluxes and clouds.
- **Processing:** [Processing Level Details](#)

### SYN1deg Level 3 Data Products - Previous Versions

| Release Date           | Data Product Information | Comments  | Temporal Resolution                  | Spatial Resolution          | Temporal Coverage   | Order Data                   |
|------------------------|--------------------------|---|--------------------------------------|-----------------------------|---|------------------------------|
| Feb 2009<br>(Edition2) | <a href="#">AVG/ZAVG</a> |   | Monthly<br>Monthly 3-Hourly          | Regional<br>Zonal<br>Global | <b>Aqua:</b> 7/2002 - 10/2005<br><b>Terra:</b> 4/2000 - 10/2005   | <a href="#">HDF AVG/ZAVG</a> |
|                        | <a href="#">SRBAVG</a>   | Also contains <a href="#">constant meteorology</a> temporally interpolated TOA fluxes (same as those found in the SSF1deg product) and <a href="#">parameterized</a> surface fluxes. Does not contain computed fluxes.                              | Monthly<br>Monthly Hourly            | Regional<br>Zonal<br>Global | <b>Aqua:</b> 7/2002 - 10/2005<br><b>Terra:</b> 3/2000 - 10/2005<br><b>TRMM:</b> 1/1998 - 8/1998, 3/2000 | <a href="#">HDF SRBAVG</a>   |
|                        | <a href="#">SYN</a>      |   | 3-Hourly                             | Regional                    | <b>Aqua:</b> 7/2002 - 10/2005<br><b>Terra:</b> 3/2000 - 10/2005   | <a href="#">HDF SYN</a>      |
| Sep 2010<br>(Edition2) | <a href="#">FSW</a>      | <a href="#">Regional</a> averages of instantaneous footprint computed fluxes [TOA, surface, and in-atmospheric (profile)], associated TOA observed fluxes, and cloud parameters only for the hours of satellite overpass (from CRS level2 product). | Hourly<br>(Instantaneous<br>Gridded) | Regional                    | <b>Aqua:</b> 7/2002 - 12/2007<br><b>Terra:</b> 3/2000 - 6/2010<br><b>TRMM:</b> 1/1998 - 8/1998, 3/2000  | <a href="#">HDF FSW</a>      |

### SYN1deg Level 3 Data Products - Current Versions

Please refer to [SYN1deg Level 3 Data Products](#) for the latest available data.



# **EOSWEB RE-DESIGN**



# EOSWEB Re-design Effort

## Goal

- Deploy a web site that provides users with an “easy to use” interface that provides
  - Data information
  - Data ordering
  - Tools/Services
  - Easy access to external sites
- Improve the sustainability and maintainability by ASDC staff and science content providers
- Modernize ASDC site using current technologies
- Collaborate with stakeholders to ensure we are meeting the needs of our user community (instrument scientists, modelers, decision makers)



# EOSWEB Re-design Effort

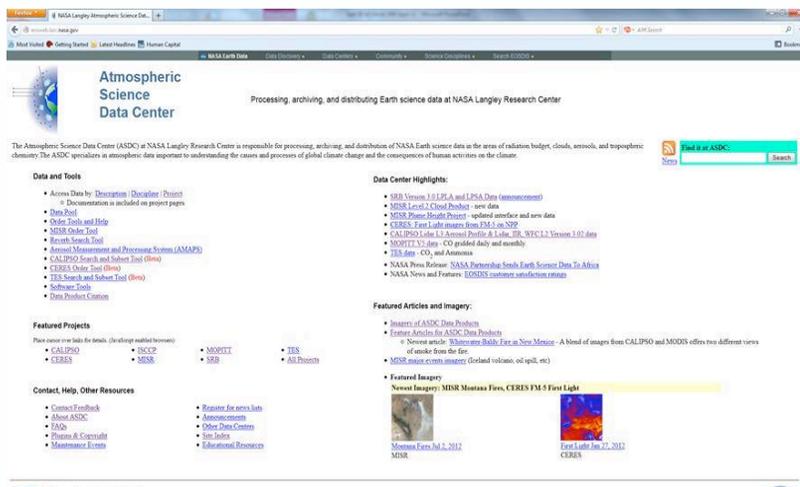
## Status

- Drupal 7 used for Content Management System – modular and easier to maintain
- Significant work has been completed to improve look, feel, and basic navigation of ASDC website
  - Incorporated features and best practices from ESDIS, other DAACs, and other modern sources and technologies
  - Prototype pages developed to further refine requirements
- Aggressive effort to engage user community to meet customer needs and expand the customer base
  - ASDC User Working Group to be heavily engaged in providing input to ASDC website design
  - Users interested in participation in the re-design should contact John Kusterer ([john.m.kusterer@nasa.gov](mailto:john.m.kusterer@nasa.gov)) or Jennifer Perez ([jennifer.l.perez@nasa.gov](mailto:jennifer.l.perez@nasa.gov))



# EOSWEB Refresh

- Contrast of “Current” versus “New”



Current Design



Draft of New Design



## Conclusion

- Continual increase in CERES archive and distribution of products worldwide
- CERES has moved most processing to AMI-P
  - 10 Instrument PGEs
  - 7 ERBE-like PGEs
  - 2 RegridMOA PGEs
  - 4 Clouds PGEs
  - 1 SARB PGEs
  - 1 Synoptic SARB PGE
  - 3 TISA Averaging PGEs
  - 2 TISA Gridding PGEs
  - 4 Inversion PGEs
- CATALYST collaborative effort proceeding effectively
- Subsetting efforts are progressing
- Effort to improve the user experience for those visiting ASDC data pages is underway